

WEST Search History

09/367,748

DATE: Monday, September 01, 2003

Set Name Query

side by side

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result set

*DB=USPT; PLUR=YES; OP=ADJ***BEST AVAILABLE COPY**

L17 L16 not 110 not 17

8 L17

L16 couperose

9 L16

DB=PGPB; PLUR=YES; OP=ADJ

L15 couperose

1 L15

DB=JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

L14 couperose

8 L14

L13 L11 and (\$11arginine or iminobiotin or ornitine or methylisothiurea or thiocitrulline or \$10lysine or nitroindazole or isothiurea)

2 L13

L12 L11 and (NO adj2 synthase)

6 L12

L11 rosacea or rosaceous or ~~coperose~~

404 L11

DB=PGPB; PLUR=YES; OP=ADJ

L10 L9 not 17

14 L10

L9 (rosacea or rosaceous or ~~coperose~~).ti,ab,clm. and 18

14 L9

L8 L6 and (\$11arginine or iminobiotin or ornitine or methylisothiurea or thiocitrulline or \$10lysine or nitroindazole or isothiurea)

68 L8

L7 L6 and (NO adj2 synthase)

6 L7

L6 rosacea or rosaceous or ~~coperose~~

271 L6

DB=USPT; PLUR=YES; OP=ADJ

L5 L4 not 12

9 L5

L4 (rosacea or rosaceous or ~~coperose~~).ti,ab,clm. and 13

9 L4

L3 L1 and (\$11arginine or iminobiotin or ornitine or methylisothiurea or thiocitrulline or \$10lysine or nitroindazole or isothiurea)

105 L3

L2 L1 and (NO adj2 synthase)

9 L2

L1 rosacea or rosaceous or ~~coperose~~

526 L1

END OF SEARCH HISTORY

WEST

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L17: Entry 5 of 8

BEST AVAILABLE COPY File: USPT

Sep 9, 1997

DOCUMENT-IDENTIFIER: US 5665365 A

TITLE: Formulations containing coumarins and the use thereof in the pharmaceutical and cosmetic fields

Brief Summary Text (2):

The present invention relates to the use of novel formulations for topical use containing combinations of coumarins, such as esculoside, esculetin, extracts containing them or mixtures thereof, with dimeric and oligomeric proanthocyanidins for the treatment of peripheral vasculopathies related to an impaired peripheral microcirculation. Moreover, the invention relates to the use of said coumarin derivatives in combination with proanthocyanidins in the cicatrization processes and in the complications of chronic venous stasis (leg heaviness, ulcus cruris) and in the treatment of internal and external hemorrhoids. In a strictly cosmetic field, the combinations are used in the treatment of unestetisms, including blemishes and cosmetic disfiguration related to superficial capillaries (couperose), rosacea, telangiectasias and the like. It has surprisingly been found that a strong synergism exists between these coumarin derivatives and proanthocyanidins.

Brief Summary Text (4):

A number of conditions related to impaired peripheral microcirculation have resisted treatment. These include impairment of arterial and venous circulation, unestetisms, including cosmetic disfigurements and blemishes, related to impaired capillary permeability and fragility, superficial and deep scars, internal and external hemorrhoids; conditions related to chronic venous stasis, including stasis ulcers and telangiectasias, couperose, and peripheral capillaropathies. In addition there has been a need for a treatment that will improve the rate of healing and reduce scarring following surgery or injury. The present invention addresses both these needs.

Brief Summary Text (6):

The present invention relates to topical pharmaceutical and cosmetic formulations that include coumarins, such as esculoside, esculetin, extracts containing coumarins, and, optionally, proanthocyanidins, such as proanthocyanidin A2, procyanidole oligomers extracted from *Vitis vinifera* and *Camellia sinensis*, and mixtures thereof. The formulations of the present invention can be applied to a subject to increase capillary density of the skin or other tissue. The increase in capillarity is useful in the treatment of peripheral vasculopathies related to impairment of arterial and venous circulation, and of unestetisms, such as cosmetic disfigurements or blemishes, related to impaired capillary permeability and fragility. In particular, the claimed formulations are useful as treatments for superficial and deep scars, internal and external hemorrhoids, conditions related to chronic venous stasis, such as stasis ulcers and telangiectasias, couperose, and peripheral capillaropathies.

Brief Summary Text (10):

Analogously, these combinations are favorably used in the treatment of unestetisms, including blemishes and cosmetic disfigurements, and on the reduction of the couperose. In the latter case, 20 individuals of both sexes were treated on one side of the face in the temporal-zygomatic area with a 1.5% esculoside and 0.5% of proanthocyanidin A2 formulation and on the other side with placebo. The treatment continued for 60 days twice a day; the evaluation of the intensity of the unestetism was performed by means of scores and with objective evaluations measuring the colour intensity of the area treated with the combination of the invention compared with that treated with placebo. After the treatment, a 41% reduction in the couperose was observed, using the patient himself as control.